

## **Justification for Other Than Full and Open Competition for Additional Effort on Contract NNG06CA54C**

### **1. Agency and Contracting Activity.**

NASA Goddard Space Flight Center (GSFC) proposes to extend the period of performance of the General Mission Analysis Tool contract, NNG06CA54C (Thinking Systems, Inc) by 4 months and 18 days. This contract supports GSFC's Flight Dynamics Analysis Branch (Code 595). The GMAT contract is a cost plus fixed fee contract with an original 2-year period of performance and two prior extensions with a total value of \$457,343.00 (\$419,773.00 cost/\$37,570.00 fee).

### **2. Nature of Action being Approved.**

On September 13, 2009, the GMAT contract will reach the end of its period of performance. The current contractor is Thinking Systems, Inc. The intent of this acquisition is to extend the existing period of performance of the contract and increase the total cost plus fixed fee value to allow for uninterrupted performance.

There is an impending competitive Flight Dynamics Support Services (FDSS) procurement that intends to absorb the GMAT work. The aforementioned FDSS procurement will not be complete before September 2009 which necessitates the GMAT work continues for an additional 4 months and 18 days under the current contract. The extension coincides with the time required to complete the FDSS procurement and allow for sufficient transition time for the GMAT work. The current contemplated procurement will extend the period of performance to a 3-year, 4-month, and 6-day period of performance. The total period of performance of the contract will be from September 25, 2006 through January 31, 2010. The total value of this extension is estimated at [REDACTED]

### **3. Description of Supplies/Services Being Acquired**

The contractor will perform services on the following:

- A. GMAT Mathematical Specifications Document
- B. GMAT Architectural Specifications Document
- C. Implementation of estimation functionality
- C. Support for Implementation, Validation, Verification, and Testing

The total estimated cost plus fixed fee for the 4-month and 18-day extension is [REDACTED] per the Government's in-house estimate. It is therefore estimated that the total final negotiated contract value will be approximately [REDACTED]

**4. Statutory Authority.** The statutory authority permitting other than full and open competition of this procurement is the Federal Acquisition Regulation (FAR) **6.202-1, Only one responsible source and no other supplies or services will satisfy agency requirements**, citing 10 U.S.C.

2304(c)(1), Only One Responsible Source. The FDSS competitive procurement is currently ongoing.

5. Rationale Supporting Use of the Authority.

In this section, the use of the sole source authority is justified:

- A. GSFC is actively working on an FDSS competitive procurement (emcompassing GMAT). The extension of NNG06CA54C insures that GMAT services continue uninterrupted while GSFC negotiates the FDSS contract.
- B. Thinking Systems is the only contractor that can perform the work without a major schedule slip as they are the only contractor with experience in GMAT development. Training a new contractor in this effort is estimated at 4–6 months. See Section 11 of this JOFOC for a description of the actions being taken to avoid this situation in the future.
- C. The rates charged by Thinking Systems, Inc. were shown in the original JOFOC to be approximately [REDACTED] **cheaper** than rates for multidisciplinary experts on GSFC's [REDACTED] and [REDACTED] contracts.
- D. The additional work contained in the NNG06CA54C extension SOW is within scope of the original SOW.

6. Efforts made to ensure that offers are solicited from as many potential sources as is practicable.

August 19, 2009: An Intent to Sole Source Synopsis was posted on NAIS and Federal Business Opportunities website for 15 days. There were no responses to the posted Sole Source Synopsis.

7. Determination of Fair and Reasonable Cost

Two sources were used to determine a fair and reasonable cost for this effort. The rates charged for similar services under the [REDACTED] contract is approximately [REDACTED]. The rate charged for similar services under the [REDACTED] contract is [REDACTED]. The rate charged by Thinking Systems, Inc. on past GMAT efforts is [REDACTED] (Contracts: NNG04CI63P, S-67573-G, NNG04CC06P, S066617-G, S72833G)

8. Description/Results of Market Research

Market research was not conducted. If NASA were to procure GMAT services from any other source for this limited timeframe, the combination of delay due to the competitive process and the time required by a new contractor to become acquainted with the work (phase-in) would cause substantial delay in fulfilling NASA's mission.

9. Other facts supporting the use of other than full and open competition

Conducting a competitive procurement for this extension would negatively impact current ongoing mission activities by creating a duplicative acquisition activity (competitive FDSS procurement)

